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(54) Load control method and apparatus for CDMA cellular system having circuit and packet switched terminals

(57) A method for operating a cellular communications system of a type that includes a first type of terminal having real-time transmission needs and a second type of terminal having nonreal-time transmission needs. The method includes the steps of (a) determining

at periodic intervals a total amount of capacity required to service the first type of terminals; (b) subtracting the determined amount from a current maximum capacity; and (c) allocating all or some of the remaining capacity, if any, to one or more of the second type of terminals.

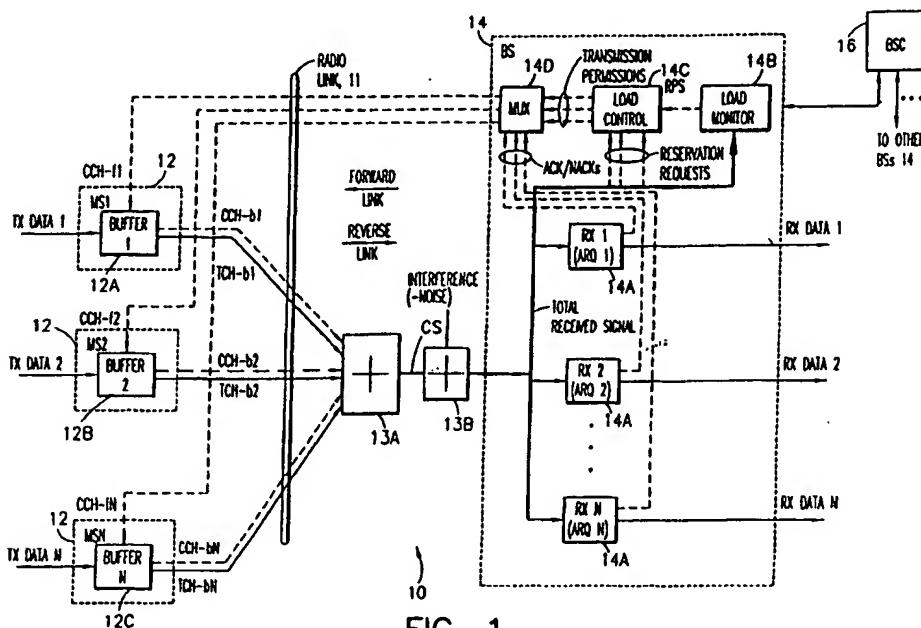


FIG. 1



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EUROPEAN SEARCH REPORT

Application Number
EP 97 30 7132

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|----------------------------------|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.6) |
| X | <p>WEN-BIN YANG ET AL: "ADMISSION POLICIES FOR INTEGRATED VOICE AND DATA TRAFFIC IN CDMA PACKET RADIO NETWORKS"</p> <p>IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS,</p> <p>vol. 12, no. 4, 1 May 1994 (1994-05-01), pages 654-664, XP000588842</p> <p>ISSN: 0733-8716</p> <p>* column 4, line 40 - column 7, line 23 *</p> <p>* column 11, line 6 - line 19 *</p> <p>* column 15, line 6 - line 32 *</p> <p>* figure 2 *</p> | 1,2,4,5, 8,17,20, 31,32 | H04Q7/38 H04L12/64 |
| X | <p>NAGHSHINEH M ET AL: "QOS PROVISIONING IN MICRO-CELLULAR NETWORKS SUPPORTING MULTIPLE CLASSES OF TRAFFIC"</p> <p>WIRELESS NETWORKS,</p> <p>vol. 2, no. 3, 1 August 1996 (1996-08-01), pages 195-203, XP000625338</p> <p>ISSN: 1022-0038</p> <p>* column 2, line 14 - column 3, line 27 *</p> <p>* column 5, line 34 - column 6, line 29 *</p> <p>* column 9, line 36, paragraph 42 *</p> <p>* column 16, line 10 - column 17, line 2 *</p> | 1-3,5, 11,17, 18,20,25 | <p>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</p> <p>H04L H04Q</p> |
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| The present search report has been drawn up for all claims | | | |
| Place of search | | Date of completion of the search | Examiner |
| THE HAGUE | | 12 October 1999 | Peccl, R |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p> | | | |



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Application Number
EP 97 30 7132

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| Place of search THE HAGUE | | Date of completion of the search 12 October 1999 | Examiner Peccl, R |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 30 7132

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